FIG.1

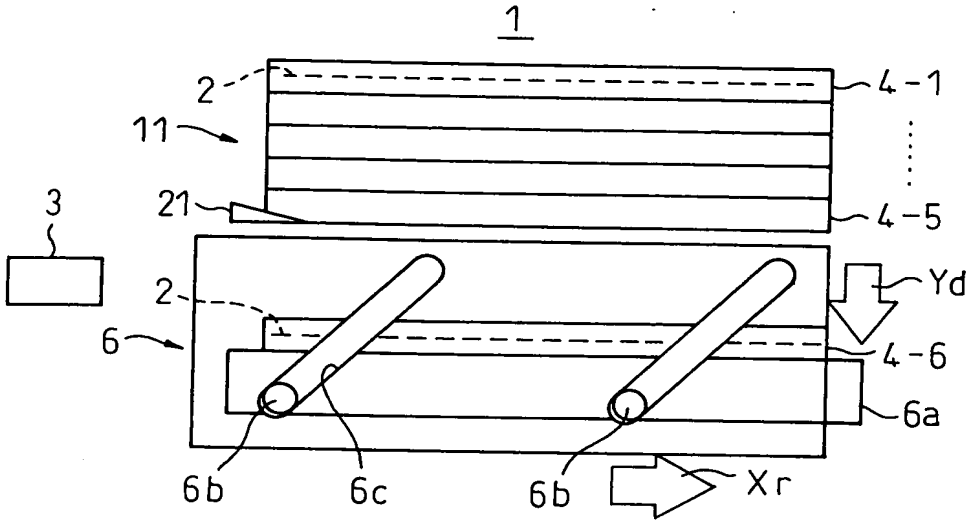

1
2
11
21
3
4-1
4-5
Yd
2
6
4-6
6a
6b
6c
6b
Xr

FIG.2

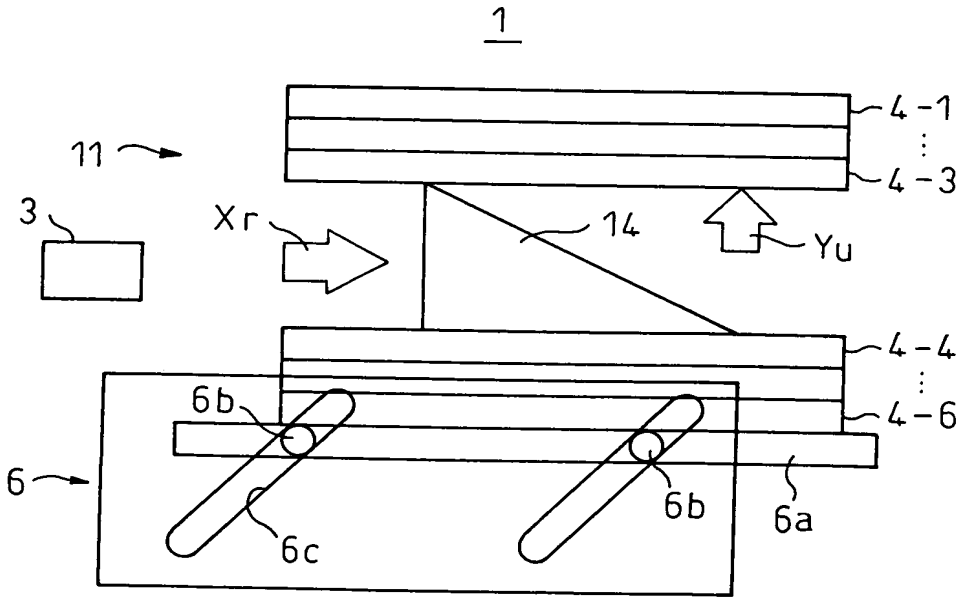

1
11
3
Xr
14
Yu
4-1
4-3
4-4
4-6
6b
6
6c
6b
6a

FIG. 3

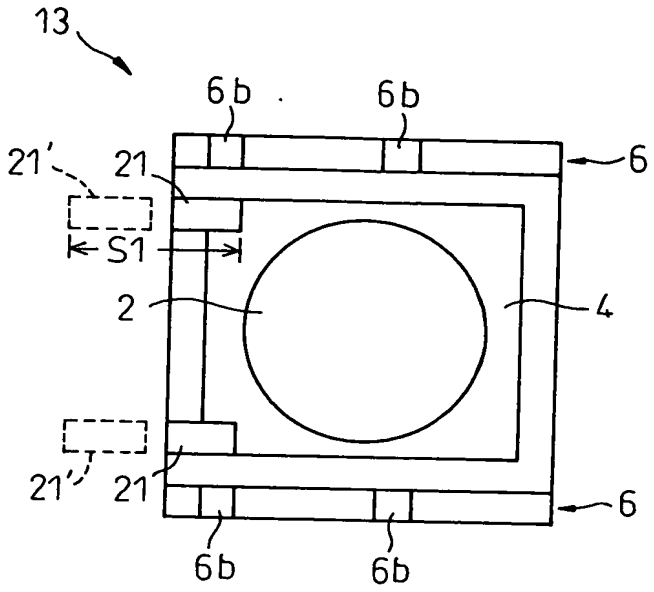


FIG. 4

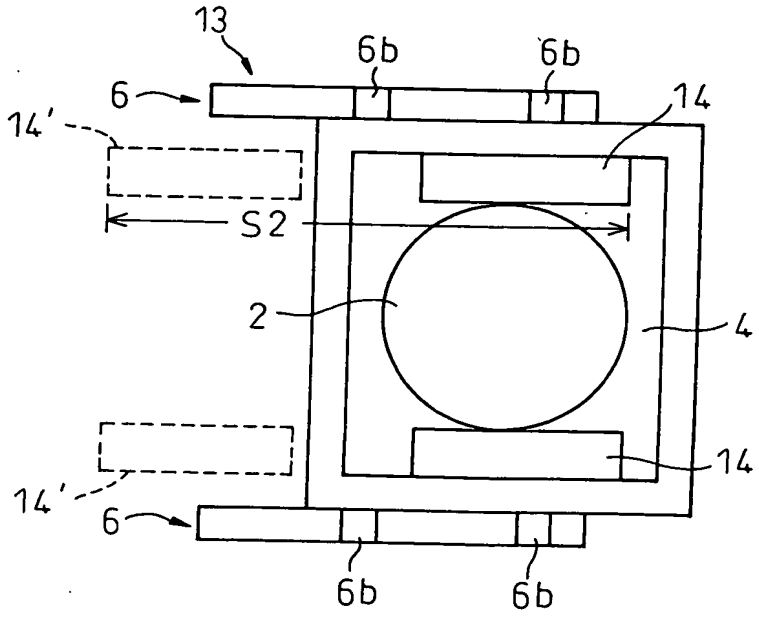


FIG.5

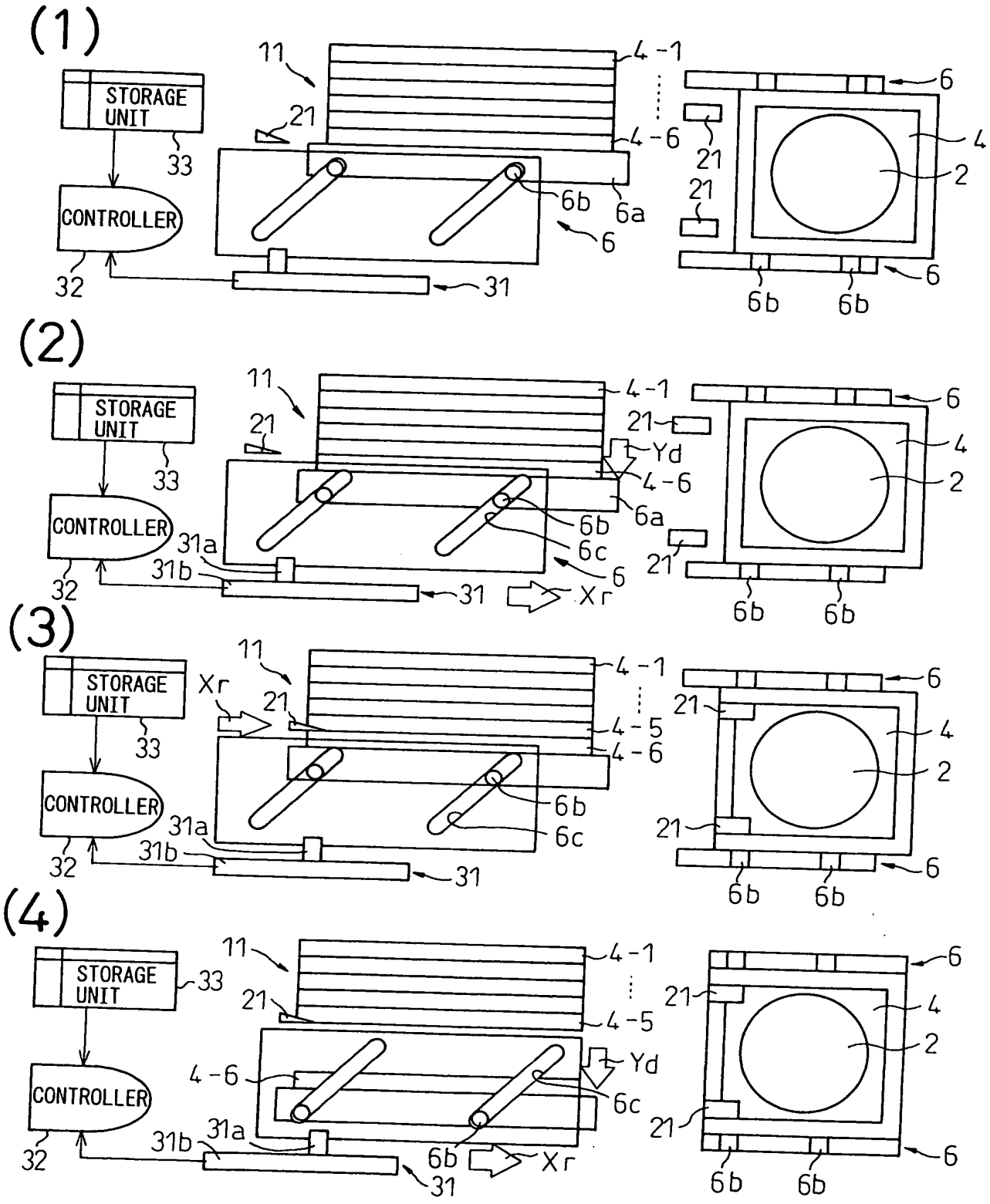

(1)
STORAGE UNIT
33
CONTROLLER
32
11
21
4-1
4-6
6b
6a
6
31
6
4
2
6b
6b
(2)
STORAGE UNIT
33
CONTROLLER
32
11
21
4-1
4-6
Yd
6a
6b
6c
31a
31b
31
Xr
6
6b
6b
(3)
STORAGE UNIT
33
CONTROLLER
32
Xr
11
21
4-1
4-5
4-6
6b
6c
31a
31b
31
6
6b
6b
(4)
STORAGE UNIT
33
CONTROLLER
32
11
21
4-1
4-5
4-6
Yd
6c
31b
31a
6b
Xr
31
6
6b
6b

FIG.6

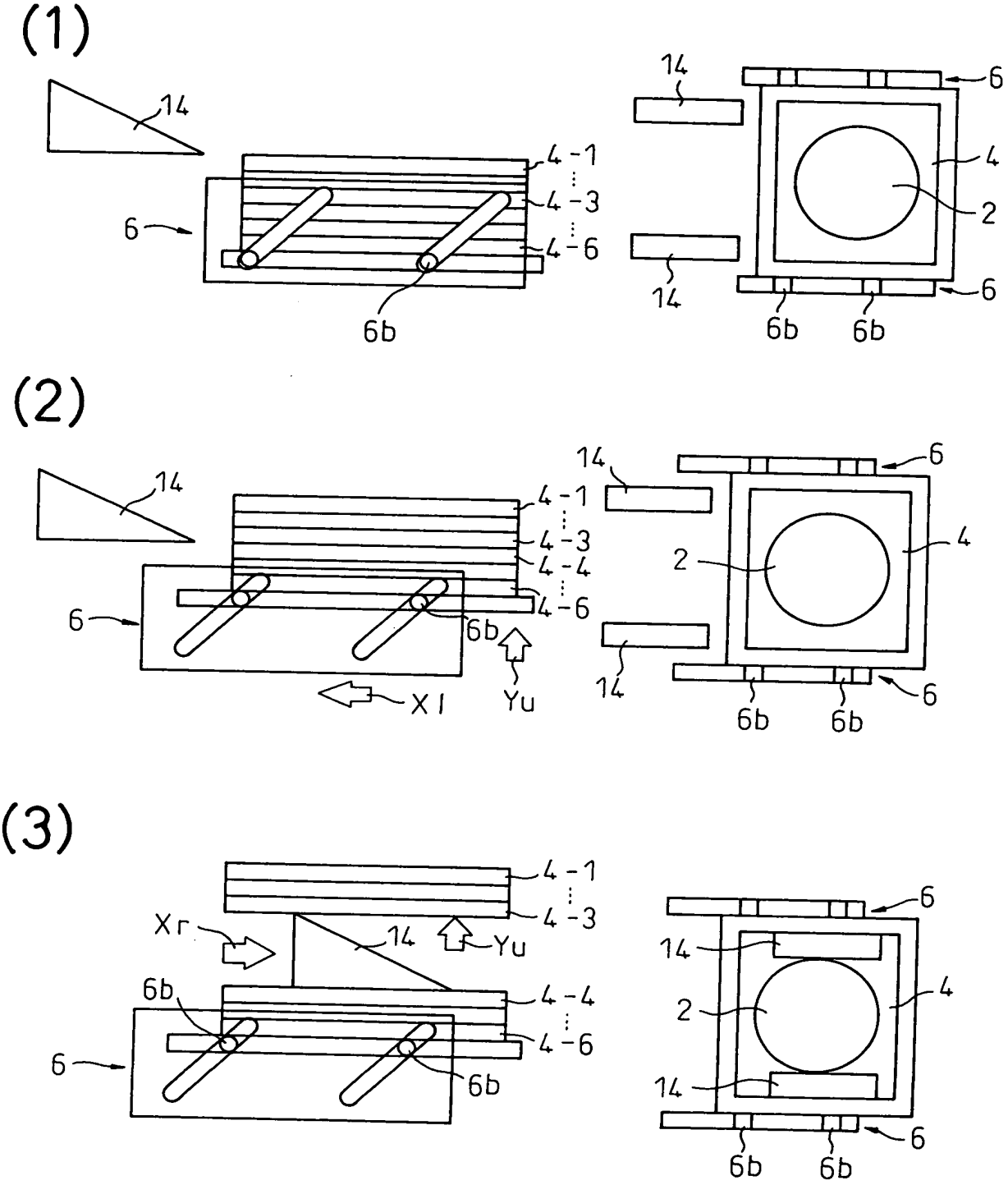

(1)
14
6
4-1
4-3
4-6
6b
14
6
4
2
14
6b
6b
6
(2)
14
4-1
4-3
4-4
4-6
6
6b
X1
Yu
14
6
2
4
14
6b
6b
6
(3)
4-1
4-3
Xr
14
Yu
6b
4-4
4-6
6
6b
14
6
2
4
14
6b
6b
6

FIG. 7

34

STOP POSITION	VALUES AT FOUR MEMBER VERSION				VALUES AT SIX MEMBER VERSION					
	1ST MEMBER	2ND MEMBER	3RD MEMBER	4TH MEMBER	1ST MEMBER	2ND MEMBER	3RD MEMBER	4TH MEMBER	5TH MEMBER	6TH MEMBER
LOAD/EJECT PREPARATION	9A	A9	B9	DB	92	A2	B1	C1	D0	F2
ORIGIN	8A	9A	A9	B9	83	92	A2	B1	C1	D0
DRIVE THROUGH	62	71	81	90	5A	6A	79	89	98	A8
TURNTABLE	4F	5F	6E	7E	48	57	67	76	86	95
TRANSFER	0D	1C	2C	3B	0D	1C	2C	3B	4B	5A

Attorney: D. Bruce Prout
Docket No.: 57880/A400
Inventor(s): Fumihiko Fujimoto, et al.
Title: DISK AUTOCHANGER
Sheet 5 of 11

FIG.8

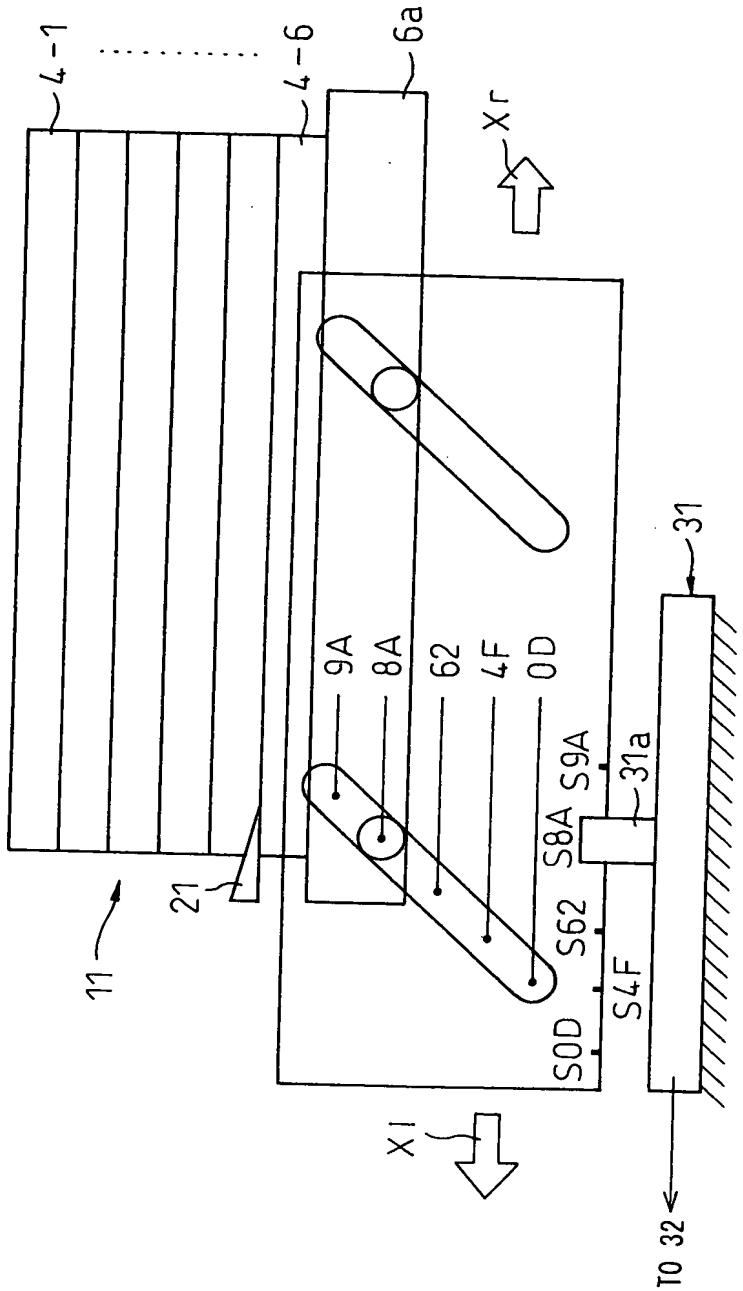


FIG.9

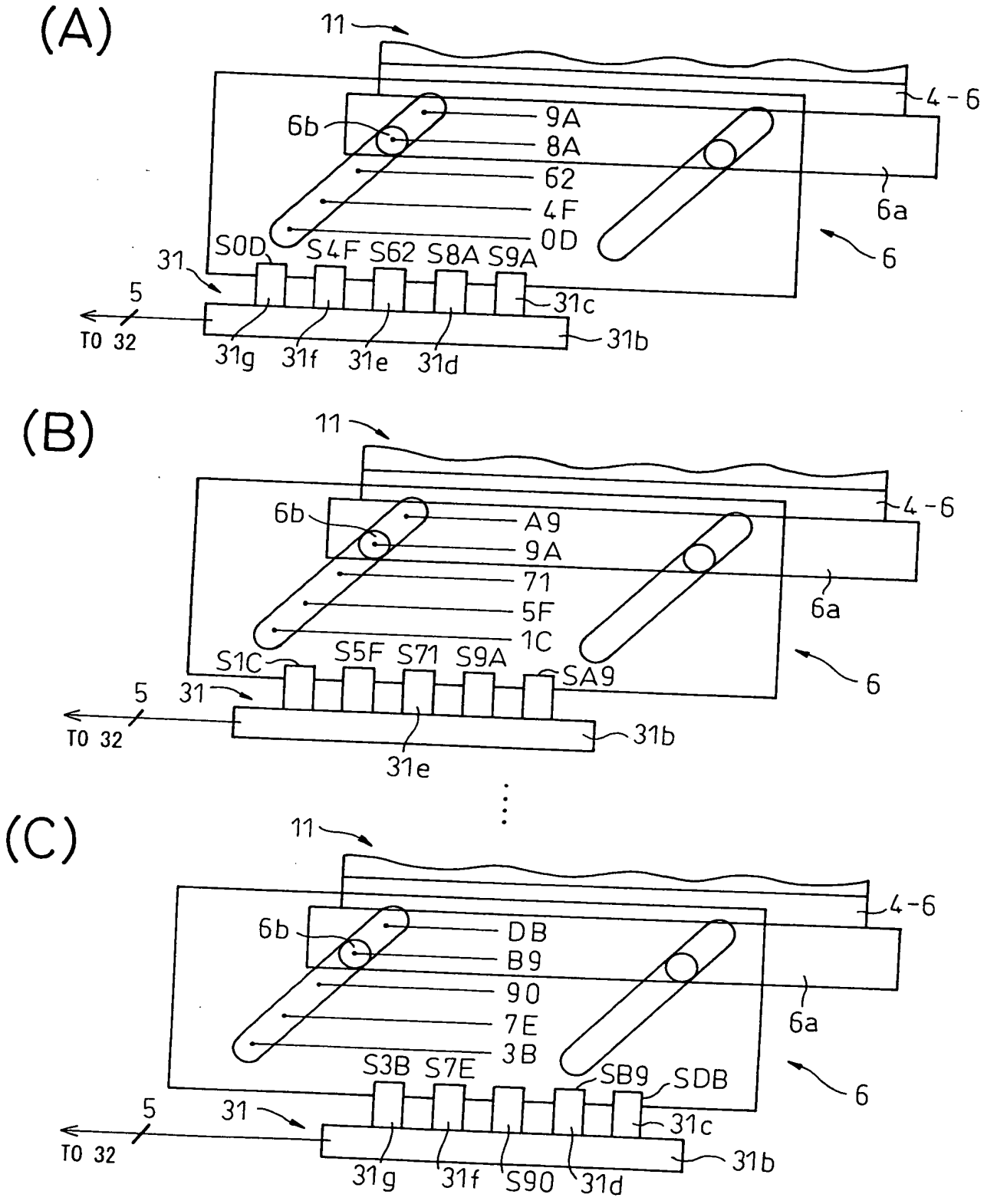

(A)
11
4-6
6b
9A
8A
62
4F
0D
6a
6
S0D
S4F
S62
S8A
S9A
31
5
31c
TO 32
31b
31g
31f
31e
31d
(B)
11
4-6
6b
A9
9A
71
5F
1C
6a
6
S1C
S5F
S71
S9A
SA9
5
31
TO 32
31b
31e
(C)
11
4-6
6b
DB
B9
90
7E
3B
6a
6
S3B
S7E
SB9
SDB
5
31
31c
TO 32
31b
31g
31f
S90
31d

FIG.10

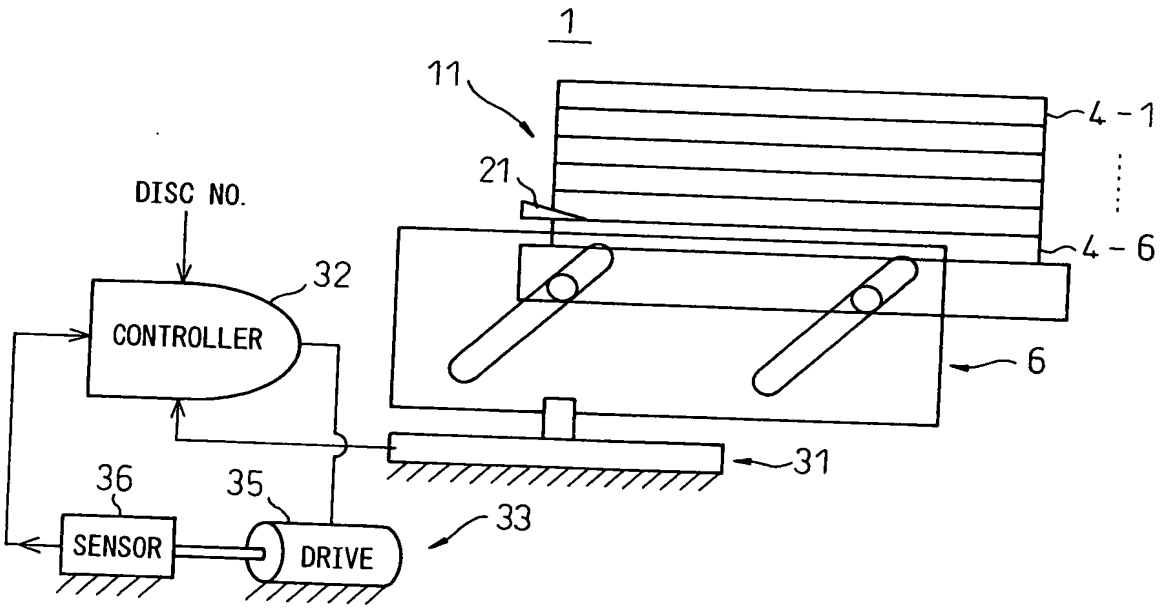


FIG.11

STOP POSITION		VALUE
1ST MEMBER (FIRST STOCKER)	STOP TARGET	2D
	UPPER LIMIT AT JUDGMENT	1B
	LOWER LIMIT AT JUDGMENT	3F
2ND MEMBER (SECOND STOCKER)	STOP TARGET	52
	UPPER LIMIT AT JUDGMENT	40
	LOWER LIMIT AT JUDGMENT	64
3RD MEMBER (THIRD STOCKER)	STOP TARGET	77
	UPPER LIMIT AT JUDGMENT	65
	LOWER LIMIT AT JUDGMENT	89
4TH MEMBER (FOURTH STOCKER)	STOP TARGET	9C
	UPPER LIMIT AT JUDGMENT	8A
	LOWER LIMIT AT JUDGMENT	AE
5TH MEMBER (FIFTH STOCKER)	STOP TARGET	C1
	UPPER LIMIT AT JUDGMENT	AF
	LOWER LIMIT AT JUDGMENT	D3
6TH MEMBER (SIXTH STOCKER)	STOP TARGET	E6
	UPPER LIMIT AT JUDGMENT	D4
	LOWER LIMIT AT JUDGMENT	F8

FIG. 12

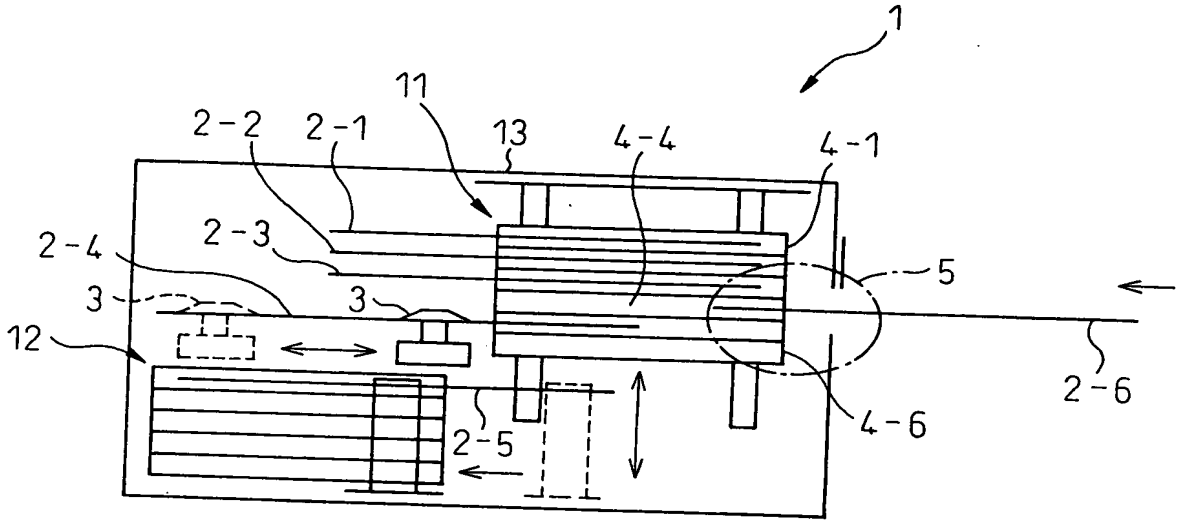
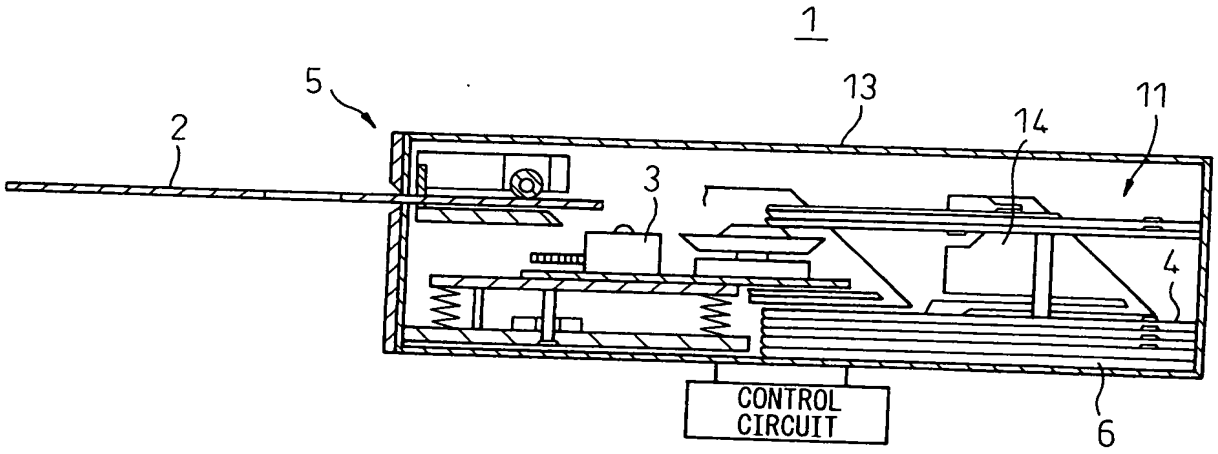

1
11
2-2
2-1
13
4-4
4-1
2-3
2-4
5
3
3
12
2-6
4-6
2-5

FIG. 13


1
5
13
11
2
14
3
4
CONTROL CIRCUIT
6

DESCRIPTION OF NUMERALS

1 disc autochanger
2 disc
3 playback/recording part
4 disc holding members
5 load/eject mechanism
6 elevator mechanism
6a table seat member
6b projection
6c inclined slit
11 first disc holder
12 second disc holder
13 housing
14 separating member
21 splitting member
31 detector
31a sensor unit
31b base member
31c to 31g sensor unit
32 controller
33 storage unit
34 correspondence table
35 drive mechanism
36 sensor